EAST 09/393,768

|          |              |                                                                                        |                         | DW- 10/5/09      |
|----------|--------------|----------------------------------------------------------------------------------------|-------------------------|------------------|
| L Number | Hits         |                                                                                        | DB                      | Time stamp       |
| 1        | 18           | (US-6101181-\$ or US-5701416-\$ or                                                     | USPAT;                  | 2004/10/05 10:48 |
|          | •            | US-5825772-\$ or US-6633544-\$ or                                                      | US-PGPUB                |                  |
|          |              | US-6148000-\$ or US-5610904-\$ or                                                      |                         |                  |
| }        |              | US-5784557-\$ or US-6081506-\$ or                                                      |                         |                  |
|          |              | US-5740172-\$ or US-6512766-\$ or                                                      |                         |                  |
|          |              | US-6223172-\$ or US-6363319-\$ or                                                      | [                       |                  |
|          |              | US-6321271-\$ or US-6538991-\$ or                                                      |                         |                  |
|          |              | US-6501754-\$ or US-5243592-\$ or                                                      | ł                       |                  |
|          |              | US-6230252-\$).did. or                                                                 |                         |                  |
|          |              | (US-20020067720-\$).did.                                                               |                         | 0004/10/05 5: 55 |
| 2        | 9195         | (,,,                                                                                   | USPAT;                  | 2004/10/05 14:28 |
|          |              | OR direct\$3acyclic\$1graph\$3                                                         | US-PGPUB;               |                  |
|          |              |                                                                                        | EPO; JPO;               |                  |
| [        |              |                                                                                        | DERWENT;                |                  |
|          | 2244020      | moutoc1 OD moutingc1 OD forwardc2 OD                                                   | IBM_TDB<br>  USPAT;     | 2004/10/05 10:51 |
| 4        | 3344039      | 1                                                                                      |                         | 2004/10/05 10:51 |
|          |              | switch\$3                                                                              | US-PGPUB;               |                  |
|          |              |                                                                                        | EPO; JPO;               |                  |
|          |              |                                                                                        | DERWENT;                | i                |
| _        | 4771         | //directés ADIS amambés/ AD                                                            | IBM_TDB<br>USPAT;       | 2004/10/05 11:48 |
| 5        | 4//1         | ((direct\$5 ADJ3 graph\$3) OR                                                          | US-PGPUB;               | 2004/10/05 11:48 |
|          |              | direct\$3graph\$3 OR direct\$3acyclic\$1graph\$3) AND (route\$1 OR                     | EPO; JPO;               |                  |
|          |              | routing\$1 OR forward\$3 OR switch\$3)                                                 | DERWENT;                |                  |
|          |              | Longings or formatos or safrcuss)                                                      | IBM TDB                 |                  |
| 6        | 842          | ((direct\$5 ADJ3 graph\$3) OR                                                          | USPAT;                  | 2004/10/05 10:51 |
| "        | 042          | (\direct\sample Abbs graph\sample )                                                    | US-PGPUB;               | 2007/10/03 10.31 |
|          |              | direct\$3graph\$3 OK                                                                   | EPO; JPO;               |                  |
|          |              | routing\$1 OR forward\$3 OR switch\$3)                                                 | DERWENT;                |                  |
|          |              | LOGGENGYE ON TOTMUTUYO ON SWICCHYO!                                                    | IBM TDB                 |                  |
| 7        | 467751       | (route\$1 OR routing\$1 OR forward\$3 OR                                               | USPAT;                  | 2004/10/05 14:20 |
| '        | 107731       | switch\$3) SAME (packet\$1 OR frame\$1 OR                                              | US-PGPUB;               |                  |
|          |              | message\$1 OR cell\$1)                                                                 | EPO; JPO;               |                  |
|          |              |                                                                                        | DERWENT;                |                  |
|          |              |                                                                                        | IBM TDB                 |                  |
| 8        | 1514         | ((direct\$5 ADJ3 graph\$3) OR                                                          | USPAT;                  | 2004/10/05 10:52 |
|          |              | direct\$3graph\$3 OR                                                                   | US-PGPUB;               |                  |
|          |              | direct\$3acyclic\$1graph\$3) AND ((route\$1 OR                                         | EPO; JPO;               |                  |
|          |              | routing\$1 OR forward\$3 OR switch\$3) SAME                                            | DERWENT;                |                  |
|          |              | (packet\$1 OR frame\$1 OR message\$1 OR                                                | IBM_TDB                 |                  |
|          |              | cell\$1))                                                                              | _                       |                  |
| 10       | 321962       | 1 '                                                                                    | USPAT;                  | 2004/10/05 10:53 |
|          |              | switch\$3) WITH (packet\$1 OR frame\$1 OR                                              | US-PGPUB;               |                  |
|          |              | message\$1 OR cell\$1)                                                                 | EPO; JPO;               |                  |
|          |              |                                                                                        | DERWENT;                |                  |
|          |              | // // / / / / / / / / / / / / / / / / /                                                | IBM_TDB                 | 0004/20/20 20 20 |
| 11       | 1096         | 1 ' '                                                                                  | USPAT;                  | 2004/10/05 10:54 |
|          |              | direct\$3graph\$3 OR                                                                   | US-PGPUB;               |                  |
|          |              | direct\$3acyclic\$1graph\$3) AND ((route\$1 OR                                         | EPO; JPO;               |                  |
|          |              | routing\$1 OR forward\$3 OR switch\$3) WITH                                            | DERWENT;                |                  |
|          | _            | (packet\$1 OR frame\$1 OR message\$1 OR                                                | IBM_TDB                 |                  |
| 12       | 104          | cell\$1))                                                                              | Henry.                  | 2004/10/05 10:54 |
| 13       | <b>V</b> 104 | ((direct\$5 ADJ3 graph\$3) OR                                                          | USPAT;                  | 2004/10/05 10:54 |
| ]        |              | direct\$3graph\$3 OR                                                                   | US-PGPUB;               |                  |
| [        |              | direct\$3acyclic\$1graph\$3) SAME ((route\$1 OR routing\$1 OR forward\$3 OR switch\$3) | EPO; JPO;<br>  DERWENT; |                  |
|          |              | SAME (packet\$1 OR frame\$1 OR message\$1 OR                                           | IBM TDB                 |                  |
|          |              | cell\$1))                                                                              | 1019_100                |                  |
| 14       | 561          |                                                                                        | USPAT;                  | 2004/10/05 11:52 |
| *        | 761          | direct\$3graph\$3 OR                                                                   | US-PGPUB;               | 2004/10/03 11:32 |
|          |              | direct\$3graph\$3 OR direct\$3acyclic\$1graph\$3) AND (route\$1 OR                     | EPO; JPO;               |                  |
|          |              | routing\$1 OR forward\$3 OR switch\$3) AND                                             | DERWENT;                |                  |
|          |              | (370/\$6.ccls. OR 709/\$6.ccls. OR                                                     | IBM TDB                 |                  |
|          |              | 455/\$6.ccls. OR 379/\$6.ccls. OR                                                      | 12.7_100                |                  |
|          |              | 375/\$6.ccls.)                                                                         |                         |                  |
|          |              | J,J, 70.0013./                                                                         | L                       | 1                |

|    | /                |                                                                                            |                        | · · · · · · · · · · · · · · · · · · · |
|----|------------------|--------------------------------------------------------------------------------------------|------------------------|---------------------------------------|
| 16 | 382              | ((direct\$5 ADJ3 graph\$3) OR                                                              | USPAT;                 | 2004/10/05 14:21                      |
|    |                  | direct\$3graph\$3 OR                                                                       | US-PGPUB;              |                                       |
| ,  |                  | direct\$3acyclic\$1graph\$3) AND ((route\$1 OR routing\$1 OR forward\$3 OR switch\$3) SAME | EPO; JPO;<br>DERWENT;  |                                       |
|    |                  | (packet\$1 OR frame\$1 OR message\$1 OR                                                    | IBM TDB                |                                       |
|    |                  | cell\$1)) AND (370/\$6.ccls. OR 709/\$6.ccls.                                              |                        |                                       |
|    |                  | OR 455/\$6.ccls. OR 379/\$6.ccls. OR                                                       |                        |                                       |
|    |                  | 375/\$6.ccls.)                                                                             |                        |                                       |
| 19 | 663              | 1 ' '                                                                                      | USPAT;                 | 2004/10/05 12:27                      |
|    |                  | direct\$3graph\$3 OR direct\$3acyclic\$1graph\$3) SAME (index\$3 OR                        | US-PGPUB;<br>EPO; JPO; |                                       |
|    |                  | label\$3 OR tag\$3)                                                                        | DERWENT;               |                                       |
|    |                  | Tabelyo on eagyo,                                                                          | IBM TDB                |                                       |
| 20 | 44               | ((direct\$5 ADJ3 graph\$3) OR                                                              | USPAT;                 | 2004/10/05 12:31                      |
|    |                  | direct\$3graph\$3 OR                                                                       | US-PGPUB;              |                                       |
|    |                  | direct\$3acyclic\$1graph\$3) SAME (index\$3 OR                                             | EPO; JPO;              |                                       |
|    | . /              | label\$3 OR tag\$3) SAME (route\$1 OR routing\$1 OR forward\$3 OR switch\$3)               | DERWENT;<br>IBM TDB    |                                       |
| 21 | $  \nu_{171} $   | ((multiple\$1 NEAR2 path\$1) OR                                                            | USPAT;                 | 2004/10/05 12:49                      |
|    | 1,1              | multi\$1path\$1) SAME (load\$1balanc\$3 OR                                                 | US-PGPUB;              |                                       |
|    |                  | (load\$3 ADJ1 balanc\$3))                                                                  | EPO; JPO;              |                                       |
|    |                  | ·                                                                                          | DERWENT;               |                                       |
|    |                  | // N   AF 7D 72   A2)   CD                                                                 | IBM_TDB                | 2004/10/05 14:30                      |
| 22 | 239              |                                                                                            | USPAT;<br>US-PGPUB;    | 2004/10/05 14:30                      |
|    |                  | direct\$3graph\$3 OR<br>  direct\$3acyclic\$1graph\$3) AND                                 | EPO; JPO;              |                                       |
|    | /                | (load\$1balanc\$3 OR (load\$3 ADJ1 balanc\$3))                                             | DERWENT;               |                                       |
|    |                  |                                                                                            | IBM_TDB                |                                       |
| 23 | <b>√</b> 251     | (load\$1balanc\$3 OR (load\$3 ADJ1 balanc\$3))                                             | USPAT;                 | 2004/10/05 13:21                      |
|    |                  | SAME (MPLS OR label\$1 OR label\$1switch\$3                                                | US-PGPUB;<br>EPO; JPO; |                                       |
|    | 1                | OR tag\$3)                                                                                 | DERWENT;               |                                       |
|    |                  |                                                                                            | IBM TDB                |                                       |
| 24 | 281              | normaliz\$6 NEAR4 (tag\$3 OR label\$1)                                                     | USPAT;                 | 2004/10/05 13:28                      |
| '  |                  |                                                                                            | US-PGPUB;              |                                       |
|    |                  |                                                                                            | EPO; JPO;              |                                       |
|    | -/-              | •                                                                                          | DERWENT;<br>IBM TDB    |                                       |
| 25 | 11               | (normaliz\$6 NEAR4 (tag\$3 OR label\$1)) AND                                               | USPAT;                 | 2004/10/05 13:29                      |
|    |                  | (370/\$6.ccls. OR 709/\$6.ccls. OR                                                         | US-PGPUB;              |                                       |
|    |                  | 455/\$6.ccls. OR 379/\$6.ccls. OR                                                          | EPO; JPO;              |                                       |
|    |                  | 375/\$6.ccls.)                                                                             | DERWENT;               |                                       |
| 26 | 2010             | random\$7 NEAR4 (tag\$3 OR label\$1)                                                       | IBM_TDB<br>USPAT;      | 2004/10/05 16:36                      |
| 20 | 2010             | Tandomy Number (cagys on labely)                                                           | US-PGPUB;              | 2001/10/03 10:30                      |
|    |                  |                                                                                            | EPO; JPO;              | ·                                     |
| 1  | /                |                                                                                            | DERWENT;               |                                       |
| 27 | 133              | <br>  (random\$7 NEAR4 (tag\$3 OR label\$1)) AND                                           | IBM_TDB<br>USPAT;      | 2004/10/05 16:37                      |
| 2  | V 133            | (370/\$6.ccls. OR 709/\$6.ccls. OR                                                         | US-PGPUB;              | 2004/10/03 10:3/                      |
|    |                  | 455/\$6.ccls. OR 379/\$6.ccls. OR                                                          | EPO; JPO;              |                                       |
| 1  |                  | 375/\$6.ccls.)                                                                             | DERWENT;               |                                       |
|    |                  |                                                                                            | IBM_TDB                |                                       |
| 28 | 1614             | LFSR                                                                                       | USPAT;                 | 2004/10/05 14:20                      |
|    | 1                |                                                                                            | US-PGPUB;<br>EPO; JPO; |                                       |
|    |                  |                                                                                            | DERWENT;               |                                       |
|    |                  |                                                                                            | IBM_TDB                |                                       |
| 29 | 398              |                                                                                            | USPAT;                 | 2004/10/05 14:21                      |
| 1  |                  | forward\$3 OR switch\$3) SAME (packet\$1 OR                                                | US-PGPUB;              |                                       |
| 1  |                  | frame\$1 OR message\$1 OR cell\$1))                                                        | EPO; JPO;<br>DERWENT;  |                                       |
| 1  | 11/              |                                                                                            | IBM TDB                |                                       |
| 30 | V <sub>126</sub> | (LFSR AND ((route\$1 OR routing\$1 OR                                                      | USPAT;                 | 2004/10/05 14:21                      |
|    |                  | forward\$3 OR switch\$3) SAME (packet\$1 OR                                                | US-PGPUB;              |                                       |
| 1  |                  | frame\$1 OR message\$1 OR cell\$1))) AND                                                   | EPO; JPO;              |                                       |
|    |                  | (370/\$6.ccls. OR 709/\$6.ccls. OR                                                         | DERWENT;               |                                       |
|    |                  | 455/\$6.ccls. OR 379/\$6.ccls. OR 375/\$6.ccls.)                                           | IBM_TDB                |                                       |
| L  | 1                | 5,5,70.0013.)                                                                              | L                      | L                                     |

| 31  |             | LFSR AND ((direct\$5 ADJ3 graph\$3) OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | USPAT;              | 2004/10/05 14:29                  |
|-----|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------|
| 31  | 16 a        | direct\$3graph\$3 OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB:           | 2004/10/03 14.23                  |
|     |             | direct\$3acyclic\$1graph\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EPO; JPO;           |                                   |
|     |             | direction of original transfer of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DERWENT;            |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM TDB             |                                   |
| 32  | 749         | hash\$3 WITH (label\$3 OR tag\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | USPAT;              | 2004/10/05 14:30                  |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     |             | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IBM_TDB             |                                   |
| 33  | V 63        | (hash\$3 WITH (label\$3 OR tag\$3)) AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | USPAT;              | 2004/10/05 15:40                  |
|     |             | (load\$1balanc\$3 OR (load\$3 ADJ1 balanc\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO; DERWENT;  |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM TDB             |                                   |
| 34  | / / 21      | (hash\$3 WITH (label\$3 OR tag\$3)) AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | USPAT;              | 2004/10/05 15:15                  |
|     |             | ((multiple\$1 NEAR2 path\$1) OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;           | 2551, 25, 55 25125                |
|     |             | multi\$1path\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EPO; JPO;           |                                   |
|     | <i>,</i>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM TDB             |                                   |
| 35  | <b>V</b> 71 | (hash\$3 WITH (label\$3 OR tag\$3)) SAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | USPAT;              | 2004/10/05 15:20                  |
|     |             | (load\$3 OR congestion\$1 OR traffic\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     |             | 107102 (1071)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IBM_TDB             | 2004/10/05 15:00                  |
| 39  | -           | 197103.URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | USPAT               | 2004/10/05 15:26 2004/10/05 15:27 |
| 40  | 1577        | hyper\$1cube\$1 OR (hyper ADJ1 cube\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | USPAT;<br>US-PGPUB; | 2004/10/03 13:2/                  |
| ŀ   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           |                                   |
| İ   |             | · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DERWENT;            |                                   |
| 1   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM TDB             |                                   |
| 41  | / 95        | (hyper\$1cube\$1 OR (hyper ADJ1 cube\$1)) AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | USPĀT;              | 2004/10/05 15:31                  |
|     |             | hash\$3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM_TDB             |                                   |
| 42  | ( 46        | (hyper\$1cube\$1 OR (hyper ADJ1 cube\$1)) AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | USPAT;              | 2004/10/05 15:31                  |
|     | "           | ((direct\$5 ADJ3.graph\$3) OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB;           |                                   |
|     |             | direct\$3graph\$3 OR   direct\$3acyclic\$1graph\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EPO; JPO; DERWENT;  |                                   |
|     |             | directs acyclical graphs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IBM TDB             |                                   |
| 43  | i/118       | (hyper\$1cube\$1 OR (hyper ADJ1 cube\$1)) AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | USPAT;              | 2004/10/05 15:48                  |
| 10  | × 110       | (load\$1balanc\$3 OR (load\$3 ADJ1 balanc\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;           | 1                                 |
|     |             | (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EPO; JPO;           | !                                 |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM_TDB             |                                   |
| 44  | 5413        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | USPAT;              | 2004/10/05 15:49                  |
| [   |             | flow\$1 OR tag\$3 OR LSP OR MPLS\$2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           |                                   |
|     |             | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DERWENT;            |                                   |
| 45  | 1- 223      | ((hash\$3 OR normaliz\$5) WITH (label\$3 OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IBM_TDB<br>USPAT;   | 2004/10/05 16:28                  |
| 3.5 | V 223       | flow\$1 OR tag\$3 OR LSP OR MPLS\$2)) AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;           | 2003/10/03 10.20                  |
|     |             | ((load\$3 NEAR2 balanc\$3) OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EPO; JPO;           |                                   |
|     |             | load\$3balanc\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DERWENT;            |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM TDB             |                                   |
| 46  | 283         | rout\$3 NEAR2 bias\$1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | USPĀT;              | 2004/10/05 16:31                  |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           | Î                                 |
|     | '           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     | 1           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IBM_TDB             | 2004/10/05 15 15                  |
| 50  | 18332       | packet\$1 WITH (flow\$1 OR tag\$3 or label\$1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | USPAT;              | 2004/10/05 16:42                  |
| 1   |             | OR LSP OR MPLS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB;           |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPO; JPO;           |                                   |
|     | ·           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;<br>IBM TDB |                                   |
| 51  | 15877       | (hash\$3 OR LFSR OR random\$7) WITH (flow\$1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | USPAT;              | 2004/10/05 17:36                  |
|     | 13077       | OR tag\$3 or label\$1 OR LSP OR MPLS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;           | 3000, 10, 00 1, 00                |
|     |             | The same of the sa | EPO; JPO;           |                                   |
| I   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DERWENT;            |                                   |
|     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                                   |

| 52 | 810  | (packet\$1 WITH (flow\$1 OR tag\$3 or label\$1 OR LSP OR MPLS)) AND ((hash\$3 OR LFSR OR                                                                                              | USPAT;<br>US-PGPUB;                                                 | 2004/10/05 16:44                   |
|----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------|
|    |      | random\$7) WITH (flow\$1 OR tag\$3 or label\$1 OR LSP OR MPLS))                                                                                                                       | EPO; JPO;<br>DERWENT;<br>IBM TDB                                    |                                    |
| 53 | 720  | (packet\$1 WITH (flow\$1 OR tag\$3 or label\$1 OR LSP OR MPLS)) AND ((hash\$3 OR LFSR OR random\$7) WITH (flow\$1 OR tag\$3 or label\$1 OR LSP OR MPLS)) AND (route\$1 OR routing\$1  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;                        | 2004/10/05 16:44                   |
| 54 | 69   | OR forward\$3 OR switch\$3)  ((direct\$5 ADJ3 graph\$3) OR  direct\$3graph\$3 OR  direct\$3acyclic\$1graph\$3) SAME packet\$1                                                         | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;             | 2004/10/05 16:53                   |
| 55 | i/ 2 | 5088032.pn.                                                                                                                                                                           | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;                         | 2004/10/05 17:3                    |
| 56 | 2    | 4905233.pn.                                                                                                                                                                           | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT; | 2004/10/05 17:3                    |
| -  | 57   | ((direct\$2 ADJ graph\$2) OR direct\$3graph\$2<br>OR diagraph\$2 OR (acyclic ADJ graph\$2) )<br>AND rout\$4 AND tag\$4 AND (load\$1balanc\$3<br>OR (load ADJ balanc\$3) OR balanc\$3) | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;             | 2004/03/17 14:30                   |
| -  | 29   | ((direct\$2 ADJ graph\$2) OR direct\$3graph\$2<br>OR diagraph\$2 OR (acyclic ADJ graph\$2) )<br>AND rout\$4 AND tag\$4 AND (FIFO OR (first<br>ADJ in) OR first\$1in)                  | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB  | 2002/11/06 12:1                    |
| -  | 183  | <pre>(network OR packet OR cell) AND ((direct\$2 ADJ graph\$2) OR direct\$3graph\$2 OR diagraph\$2 OR (acyclic ADJ graph\$2) ) AND rout\$4 AND tag\$4</pre>                           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB             | 2002/11/07 08:4                    |
| -  | 10   | <pre>(route OR routed OR routing OR routes) AND ((loop\$2free) OR (loop ADJ free)) AND tag\$3 AND (load\$1balanc\$3 OR (load\$3 ADJ balanc\$3) OR balanc\$4)</pre>                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB             | 2002/11/06 13:0                    |
| -  | 54   | (directed\$2graph\$2 OR diagraph\$2 (acyclic\$2 ADJ graph\$3)) AND ((packet OR cell) SAME order)                                                                                      | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB             | 2002/11/06 16:2                    |
| -  | 3    | ("4987536"   "5253248"   "5428636").PN.                                                                                                                                               | USPĀT                                                               | 2002/11/06 17:0                    |
| -  | 386  | 5610904.URPN. (network OR packet OR cell) AND ((direct\$2 ADJ graph\$2) OR direct\$3graph\$2 OR diagraph\$2 OR (acyclic ADJ graph\$2) ) AND rout\$4 AND label\$4                      | USPAT<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB    | 2002/11/06 17:0<br>2002/11/07 08:4 |
| -  | 144  | <pre>(network OR packet OR cell) AND ((direct\$2 ADJ graph\$2) OR direct\$3graph\$2 OR diagraph\$2 OR (acyclic ADJ graph\$2) ) AND (rout\$4 NOT routine\$1) AND label\$4</pre>        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB             | 2002/11/07 08:4                    |
| _  | 79   | ((direct\$2 ADJ2 graph\$2) OR<br>direct\$3graph\$2 OR diagraph\$2 OR (acyclic<br>ADJ graph\$2) ) AND ATM                                                                              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB             | 2003/04/08 10:3                    |
| -  | 173  | <pre>(distance ADJ1 vector\$3) WITH (rout\$3 NOT<br/>routine)</pre>                                                                                                                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB             | 2003/04/14 14:0                    |

| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      |                                             |           | 1                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---------------------------------------------|-----------|--------------------|
| -   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | _   | 23   |                                             |           | 2003/04/14 13:39   |
| - 0 ((distance ADJ1 vector\$3) SAME (rout\$3 NOT routine) AND ((hyper ADJ1 cube\$1) OR hyper\$2cube\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      | routine)) AND (load ADJ1 balanc\$3)         |           |                    |
| -   0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |      |                                             |           |                    |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      | ,                                           |           |                    |
| Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      | (/distance ADII seestance) CAME (moutes NOT | _         | 2002/04/14 12:40   |
| hyper\$2cube\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -   | ١    |                                             |           | 2003/04/14 13:40   |
| - 36 (direct\$3 ADJ3 graph\$3) AND ((hyper ADJ1 cube\$1) OR hyper\$2cube\$1) (cube\$1) OR hyper\$2cube\$1) OR hyper\$2cube\$1) OR hyper\$2cube\$1) OR hyper\$2cube\$1) OR hyper\$2cube\$1) OR hyper\$2cube\$1 OR hyper\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2cube\$2c |     |      |                                             | · ·       |                    |
| IMM TOB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      | nyper\$2cube\$1)                            | 1         |                    |
| Cdiarects3 ADJ3 graph83) AND ((hyper ADJ1   USPĀT; USPĀCU)   USPĀCT; USPĀCU   USPĀ                                                                                                                                                                                                                                                                                                           |     |      |                                             | 1         |                    |
| Cube\$1) OR hyper\$2cube\$1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     | 26   | /directé2 ADI2 graphé2\ AND //himor ADI1    |           | 2003/04/14 13:41   |
| - 649 packet\$1 AND ( ((distance ADJ1 vector\$3) SAME (rout\$3 NOT routine)) OR ((direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR Contine) OR ((direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR Contine) OR ((direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR Contine) OR ((direct\$2 ADJ2 graph\$3) OR direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR direct\$2 ADJ2 graph\$3) OR direct\$2 ADJ2 graph\$3) OR direct\$2 ADJ2 graph\$3) OR direct\$2 ADJ2 graph\$3) OR direct\$3 graph\$3 OR direct\$2 ADJ2 graph\$3) OR direct\$3 graph\$3 OR direct\$4 OR DIRECT\$4 OR DIRECT\$5 OR OR                                                                                                                                                              | -   | 30   |                                             |           | 2003/04/14 13:41   |
| - 649 packet\$1 AND ( ((distance ADJI vector\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |      | Cube(1) Ok hype1(2Cube(1)                   |           | ļ                  |
| TEM_TDB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      | ·                                           | 1 .       |                    |
| Seminary                                                                                                                                                                                                                                                                                                            |     |      |                                             |           |                    |
| SAME (rout\$3 NOT routine) OR ((direct\$2   DS-PGPUB);   DEFO, PGO,   DEFO, PGO,   DEFO,   DEF                                                                                                                                                                                                                                                                                                         | _   | 649  | packet\$1 AND ( ((distance ADJ1 vector\$3)  |           | 2003/04/14 14:08   |
| ADJ2 graph\$3) OR direct\$3graph\$3 OR   EEO; JPO;   DERWENT; IBM TDB   USPAT;   USPA                                                                                                                                                                                                                                                                                                        |     |      |                                             | US-PGPUB; |                    |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      |                                             | EPO; JPO; |                    |
| - 2 ("Se70564"   "6016306").PN. (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      | diagraph\$3 OR (acyclic ADJ graph\$3) ))    | DERWENT;  |                    |
| Company   Comp                                                                                                                                                                                                                                                                                                           |     |      |                                             |           |                    |
| NOT routine   OR ((direct\$2 ADJ2 graph\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _   |      |                                             |           |                    |
| OR direct3graph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND ((rout\$3 NOT routine) WITH bias\$3) packet\$1 AND (tag\$3) NAD ((rout\$3 NOT routine) WITH bias\$3) (rout\$3 NOT routine) WITH bias\$3) Packet\$1 AND (tag\$3 OR label\$3) AND ((rout\$3 NOT routine) WITH bias\$3) (rout\$3 NOT routine) WITH bias\$3) (rout\$4 NOT routine) WITH bias\$3) (rout\$5 NOT routine) WITH bias\$3) (rout\$6 NOT routine) WITH packet\$1 AND (rout\$3 NOT routine) WITH packet\$1 AND (rout\$3 NOT routine) ((distance ADJ1 vector\$3) OR OSPF) AND ((rout\$3 NOT routine) ((distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR (direct                                                                                                                                                             | -   | 6    |                                             |           | 2003/04/14 14:36   |
| Cacyclic ADJ graph\$3] ) AND ((rout\$3 NOT routine) WITH bias\$3)   DERMENT; TRM TDB ((rout\$3 NOT routine) WITH bias\$3)   DERMENT; TRM TDB ((rout\$3 NOT routine) WITH bias\$3)   DERMENT; TRM TDB (USPAT; US-PGPUB; EFO; JPO; DERMENT; TRM TDB (USPAT; USPAT; US                                                                                                                                                                                                                                                                                                    |     |      |                                             |           |                    |
| Troutine) WITH bias\$3) packet\$1 AND (taq\$3 OR label\$3) AND ((rout\$3 NOT routine) WITH bias\$3)  - 119 ((distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$3 graph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND ((taq\$1 OR label\$1 OR field\$1) WITH packet\$1] AND (rout\$3 NOT routine) ((distance ADJ1 vector\$3) OR OSPF) AND ((distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$3(argaph\$3) OR diagraph\$3 OR (acyclic ADJ graph\$3) AND (rout\$3 NOT routine) AND (order OR FIFO) AND packet\$1 (MPLS OR (label\$3 ADJ1 switch\$3)) AND ((labl\$4 OR taq\$3) WITH hash\$3)  - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR taq\$3 OR label\$3 OR MPLS\$1)  - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR taq\$3 OR label\$3 OR MPLS\$1)  - 4381 ((mormaliz\$5 SAME ((rout\$3 NOT routine) OR taq\$3 OR label\$3 OR MPLS\$1)  - 2371 ((MPLSOR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (taq ADJ1 switch\$3) OR label\$3 OR OR (taq ADJ1 switch\$3) OR label\$3 OR OR (taq ADJ1 switch\$3) OR label\$3 OR OR (taq ADJ1 switch\$3) OR label\$3                                                                                                                                                                          |     |      |                                             |           |                    |
| Dackets1 AND (tag\$3 OR label\$3) AND (USFĀT; (Crout\$3 NOT routine) WITH bias\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | •   |      | (acyclic ADJ graph\$3) )) AND ((rout\$3 NOT |           |                    |
| Cout\$3 NOT routine) WITH bias\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |      |                                             | _         | 2002/04/14 14:30   |
| - 119 ( (distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR (JSPAT; IBM_TDB USPAT; IBM_TD                                                                                                                                                                                                                                                                                                    | -   | 31   |                                             |           | 2003/04/14 14:39   |
| DERMENT; ADJ2 graph\$3) OR dicret\$3graph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND ((tag\$1 OR label\$1 OR field\$1) WITH packet\$1 AND (routs\$3 NOT routine) ((distance ADJ1 vector\$3) OR OSPF) AND (MPLS OR (label\$3 ADJ2 switch\$3))  - 336 ( (distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$2graph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND (rout\$3 NOT routine) (MPLS OR (label\$3 ADJ2 switch\$3))  - 336 ( (distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$2graph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND (rout\$3 NOT routine) AND (order OR FIFO) AND packet\$1  - 1 (MPLS OR (label\$3 ADJ1 switch\$3)) AND ((labl\$4 OR tag\$3) WITH hash\$3)  - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$2switch\$3 OR (tag ADJ1 switch\$3) OR label\$2switch\$3 OR (tag ADJ1 switch\$3) OR label\$3switch\$3 OR (tag ADJ1 switch\$3) OR label\$3switch\$3 OR (tag ADJ1 switch\$3) OR label\$3switch\$3 OR (tag ADJ1 switch\$3) OR label                                                                                                                                                                   |     |      | ((rout\$3 NOT routine) with blas\$3)        |           |                    |
| TRM TDB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |                                             |           |                    |
| 119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |      |                                             |           |                    |
| ADJ2 graph\$3) OR direct\$3graph\$3 OR diagraph\$3 OR (atgat) or Name (tag\$1 OR label\$1 OR field\$1) WITH packet\$1) AND (rout\$3 NOT routine)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | l   | 119  | ( (distance ADJ1 vector\$3) OR (direct\$2   |           | 2003/04/14 14:55   |
| diagraph\$3 OR (acyclic ADJ graph\$3) AND ((tag\$1 OR label\$1 OR field\$1) WITH DECKLING DECKLI                                                                                                                                                                                                                                                                                                      |     | 113  |                                             | 1         | 2003, 01, 11 11.03 |
| Citag\$1 OR label\$1 OR field\$1) WITH packet\$1) AND (rout\$3 NOT routine) ((distance ADJ1 vector\$3) OR OSPF) AND (WPLS OR (label\$3 ADJ2 switch\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |                                             |           |                    |
| Decket\$1) AND (rout\$3 NOT routine)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      |                                             |           |                    |
| - 209 ((distance ADJ1 vector\$3) OR OSPF) AND (MPLS OR (label\$3 ADJ2 switch\$3))  - 336 ( (distance ADJ1 vector\$3) OR (direct\$2 IBM TDB (Libin TDB (label\$3 ADJ2 graph\$3) OR (direct\$2 IBM TDB (stout\$3 NOT routine) AND (order OR FIFO) AND packet\$1 (MPLS OR (label\$3 ADJ1 switch\$3)) AND ((labl\$4 OR tag\$3) WITH hash\$3)  - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1) AND (1370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3)  - 246 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |      |                                             | IBM TDB   |                    |
| - 336 ( (distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND (rout\$3 NOT routine) AND (order OR FIFO) AND packet\$1  1 (MPLS OR (label\$3 ADJ1 switch\$3)) AND ((labl\$4 OR tag\$3) WITH hash\$3)  - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$3 OR (tag ADJ1 switch\$3)                                                                                                                                                                 | _   | 209  |                                             | USPAT;    | 2003/04/14 14:55   |
| DERMENT; IBM_TDB USFĀT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USFĀT; US-PGPUB; EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |      | (MPLS OR (label\$3 ADJ2 switch\$3))         | US-PGPUB; |                    |
| - 336 ( (distance ADJ1 vector\$3) OR (direct\$2 ADJ2 graph\$3) OR direct\$3graph\$3 OR diagraph\$3 OR diag                                                                                                                                                        |     |      |                                             | EPO; JPO; |                    |
| 336                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |      |                                             | 1         |                    |
| ADJ2 graph\$3) OR direct\$3graph\$3 OR diagraph\$3 OR diagraph\$3 OR (acyclic ADJ graph\$3) ) AND (rout\$3 NOT routine) AND (order OR FIFO) AND packet\$1  (MPLS OR (label\$3 ADJ1 switch\$3)) AND (USPAT; IBM_TDB (USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (Inormaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1) AND (uspat; USPAT; USPGPUB; EPO; JPO; DERWENT; IBM_TDB (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR label\$3 OR label\$                                                                                                                                                                |     |      |                                             | . –       |                    |
| diagraph\$3 OR (acyclic ADJ graph\$3) AND (rout\$3 NOT routine) AND (order OR FIFO)   DERWENT;   IBM TDB   USPĀT;   US-PGPUB;   EPO; JPO;   DERWENT;   IBM TDB   USPĀT;   USPĀT                                                                                                                                                                                                                                                                                                        | -   | 336  |                                             | · ·       | 2003/04/14 15:16   |
| Crout\$3 NOT routine   AND (order OR FIFO)   AND packet\$1   IBM TDB   USPĀT;   US-PCPUB;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWE                                                                                                                                                                                                                                                                                                         |     |      |                                             |           |                    |
| AND packet\$1 (MPLS OR (label\$3 ADJ1 switch\$3)) AND ((labl\$4 OR tag\$3) WITH hash\$3)  - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$3 ADJ1 switch\$3) OR label\$3 ADJ1 switch\$3] OR label\$3 ADJ1                                                                                                                                               |     |      |                                             |           |                    |
| MPLS OR (label\$3 ADJ1 switch\$3) AND (label\$4 OR tag\$3) WITH hash\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |      |                                             |           |                    |
| ((labl\$4 OR tag\$3) WITH hash\$3)  ((labl\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  ((labl\$5 OR MPLS\$1) AND (labl\$6 OR tag\$1) AND (labl\$6 OR tag\$1)  ((labl\$6 OR MPLS\$1) OR tag\$1 Switch\$3) OR tag\$1 Switch\$3)  ((labl\$6 OR MPLS\$1) AND (labl\$6 OR tag\$1 Switch\$3) OR tag\$1 Switch\$3)  ((labl\$6 OR MPLS\$1) AND (labl\$7 ADJ1 Switch\$3) OR tag\$1 Switch\$3)  ((labl\$6 OR MPLS\$1) AND (labl\$7 ADJ1 Switch\$3) OR tag\$1 Switch\$3)  ((labl\$6 OR MPLS\$1) AND (labl\$7 ADJ1 Switch\$3) OR tag\$1 Switch\$3)  ((labl\$6 OR MPLS\$1) AND (labl\$6 OR MPLS\$1)  ((labl\$6 OR MPLS\$1) AND (labl\$6 OR tag\$1 Switch\$3)  ((labl\$6 OR                                                                                                          | _   | 1    |                                             |           | 2003/12/04 08-52   |
| - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1 Switch\$3) OR label\$1 Switch\$3 OR (tag ADJ1 switch\$3) OR label\$1 Switch\$3) OR label\$1 Switch\$3 OR (tag ADJ1 switch\$3) OR label\$1 Switch\$3) OR label\$1 Switch\$3 OR (tag ADJ1 switch\$3) OR label\$1 Switch\$3) OR label\$1 Switch\$3 OR (tag ADJ1 switch\$3) OR label\$3 OR (tag ADJ1 switch\$                                                                                                                                                                |     |      |                                             |           | 2000, 12,04 00.02  |
| - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1) AND US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; (370/\$6.ccls. OR 455/\$6.ccls. OR PLS\$1) AND US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DE                                                                                                                                                                                                                                                                                            |     |      | (\Lambda Lambara)                           |           |                    |
| - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR label\$1switch\$3 OR label\$1switch\$3 OR label\$1switch\$3 OR label\$1switch\$3 OR label\$3 O                                                                                                                                      |     |      |                                             | · ·       |                    |
| - 4381 normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)  - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)) AND USPĀT; US-PGPUB; EFO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3)  - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3) OR label\$3 OR label\$                                                                                                                            |     |      |                                             |           |                    |
| tag\$3 OR label\$3 OR MPLS\$1)  US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -   | 4381 | normaliz\$5 SAME ((rout\$3 NOT routine) OR  |           | 2003/12/04 08:44   |
| - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)) AND USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; tag\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR label\$1switch\$3 OR label\$1switch\$3 OR label\$1switch\$3 OR label\$1switch\$3 OR label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR label\$3 ADJ1 switch\$3 OR                                                                                                                                                  |     |      |                                             | US-PGPUB; |                    |
| - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)  - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR label\$3                                                                                                                       |     |      |                                             | EPO; JPO; |                    |
| - 173 (normaliz\$5 SAME ((rout\$3 NOT routine) OR tag\$3 OR label\$3 OR MPLS\$1)) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)  - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR label\$3 O                                                                                                                        |     |      |                                             |           |                    |
| tag\$3 OR label\$3 OR MPLS\$1)) AND (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)  - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1   |      |                                             |           |                    |
| (370/\$6.ccls. OR 455/\$6.ccls. OR 709/\$6.ccls.)  - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)  - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3) OR label\$1switch\$3 OR label\$1switch\$3) OR label\$1switch\$3 OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3) OR label\$1switch\$3] OR label\$3] OR la                                                                                                                               | -   | 173  |                                             |           | 2003/12/04 08:44   |
| 709/\$6.ccls.)  DERWENT; IBM_TDB USPAT; US-PGPUB; tag\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)  ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR tag\$1switch\$3)  ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3)  DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |      |                                             |           |                    |
| - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR (EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; Label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3) DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |      |                                             |           |                    |
| - 2371 (MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) OR (tag ADJ1 switch\$3) OR DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; Label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3) EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      | 103/\$0.CCIS.)                              |           |                    |
| label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)  - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3)  Label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3) AND (normaliz\$5 OR hash\$3)  Label\$1switch\$3 OR (label\$3 ADJ1 switch\$3) OR tag\$1switch\$3) OR tag\$1switch\$3) OR tag\$1switch\$3) OR tag\$1switch\$3) OR tag\$1switch\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | l_  | 2271 | (MDICCI OD (labolé) ADII avitabé) OD        |           | 2003/12/04 00.52   |
| tag\$1switch\$3)  EPO; JPO; DERWENT; IBM_TDB  ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR USPAT; US-PGPUB; tag\$1switch\$3)) AND (normaliz\$5 OR hash\$3)  EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ] - | 23/1 |                                             |           | 2003/12/04 08:53   |
| DERWENT; IBM TDB USPAT; Label\$1switch\$3 OR (tag ADJ1 switch\$3) OR Lag\$1switch\$3) OR (tag ADJ1 switch\$3) OR Lag\$1switch\$3) AND (normaliz\$5 OR hash\$3) DERWENT; USPAT; US-PGPUB; EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1   |      |                                             |           | 4                  |
| - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR tag\$1switch\$3)) AND (normaliz\$5 OR hash\$3) (DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |      | cagqiswitconqs;                             |           |                    |
| - 246 ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR label\$1switch\$3 OR (tag ADJ1 switch\$3) OR USPĀT; US-PGPUB; tag\$1switch\$3)) AND (normaliz\$5 OR hash\$3) EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |      |                                             |           |                    |
| label\$1switch\$3 OR (tag ADJ1 switch\$3) OR US-PGPUB; tag\$1switch\$3)) AND (normaliz\$5 OR hash\$3) EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | _   | 246  | ((MPLS\$1 OR (label\$3 ADJ1 switch\$3) OR   |           | 2003/12/04 08:53   |
| tag\$1switch\$3)) AND (normaliz\$5 OR hash\$3) EPO; JPO; DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      |                                             |           |                    |
| DERWENT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |      |                                             |           |                    |
| IBM TDB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ]   |      |                                             |           | •                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |      |                                             | IBM TDB   |                    |

| _ | 3550 | ((direct\$2 ADJ graph\$2) OR direct\$3graph\$2 | USPAT;    | 2004/03/17 14:31 |
|---|------|------------------------------------------------|-----------|------------------|
|   |      | OR diagraph\$2 OR (acyclic ADJ graph\$2) )     | US-PGPUB; |                  |
|   |      |                                                | EPO; JPO; |                  |
|   |      |                                                | DERWENT;  |                  |
|   |      |                                                | IBM_TDB   |                  |
| - | 2703 |                                                | USPAT;    | 2004/03/17 14:31 |
|   |      | label\$1switch\$3 OR (tag ADJ1 switch\$3) OR   | US-PGPUB; |                  |
| İ |      | tag\$1switch\$3)                               | EPO; JPO; |                  |
| j |      |                                                | DERWENT;  |                  |
|   |      | •                                              | IBM_TDB   |                  |
| - | 14   | (((direct\$2 ADJ graph\$2) OR                  | USPAT;    | 2004/03/17 14:31 |
|   |      | direct\$3graph\$2 OR diagraph\$2 OR (acyclic   | US-PGPUB; |                  |
|   |      | ADJ graph\$2) ) ) AND ((MPLS\$1 OR (label\$3   | EPO; JPO; |                  |
|   |      | ADJ1 switch\$3) OR label\$1switch\$3 OR (tag   | DERWENT;  | *                |
|   |      | ADJ1 switch\$3) OR tag\$1switch\$3))           | IBM_TDB   |                  |
| - | 9    | ("5321815"   "5530806"   "5561790"             | USPAT     | 2004/03/17 14:35 |
|   |      | "5881243"   "5933425"   "6078963"              |           |                  |
|   |      | "6098107"   "6192043"   "6256309").PN.         |           |                  |
| _ | 0    | 6633544.URPN.                                  | USPAT     | 2004/03/17 14:42 |